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AGENDA

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1. What is Hub?

- Create web sites with maps, apps, graphs, surveys and other content
- Build Open Data Sites
- Collaborate with Community and Volunteers

Initiatives

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2. Getting some Hub Content Ready

- Open a browser and visit <https://www.arcgis.com/>
- Sign into your ArcGIS Online account. For those exercises you will need a creator license

We will start by setting up a Group and add content we want to display on the Hub Page

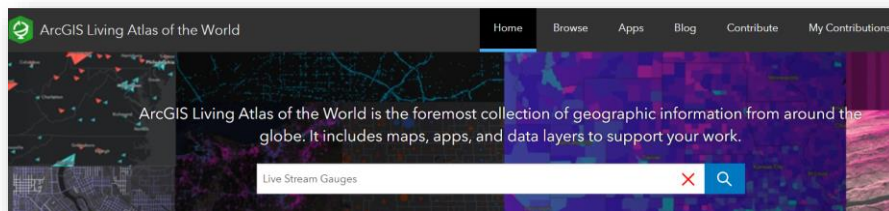


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Getting Ready

2. Getting some Hub Content Ready

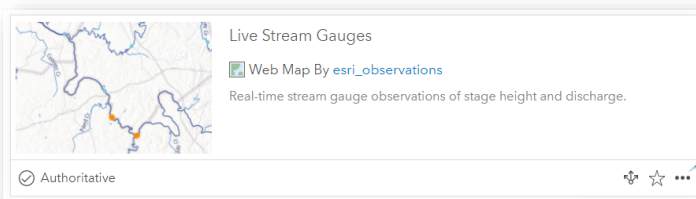
- Provide a Name, Summary and some Tags and then click Save
- Leave the tab in your browser open. Open a second tab
- Visit <https://livingatlas.arcgis.com>
- Search for Live Stream Gauges





5

Getting Ready

2. Getting some Hub Content Ready




Click here, and then on "Map Viewer"


- Center the map on Idaho and click  and  Save As
- Leave most of the suggestion. Add you initials to the title, and a "Temporary" Tag to the tags
- Click on Save Map

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2. Getting some Hub Content Ready

- Click on  and share with Everyone (public) as well as the Group for Getting Started with Hub Workshop you just set up.

Next, we will create an app and add it to our new Group

- A little lower on the Share tab (click on  again in you already closed the Share dialog box) click on

Share

Choose who can view this map.

Your map is currently shared with these people.

- ☒ Everyone (public)
- ☒ State of Idaho
- ☒ Members of these groups:
 - ☐ GIS Strategic Plan 2021 Content
 - ☐ GIS Strategic Plan 2021 Followers
 - ☒ Group for Getting Started with Hub Workshop

CREATE A WEB APP

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2. Getting some Hub Content Ready



Create a New Web App

Specify a title, tags, and a summary for the new web app.

Title: Live Stream Gauges- WOR App

Tags:

- NOMA
- WRPS
- Flood
- Gauge
- Gage
- USGS
- NWIS
- earth observations
- environment
- water environment
- Temporary

Summary (Optional):

Categories:



- Assign Category

Save in folder:

- wsbentzen_3s

or Share this app in the same way as the map (Everyone, State of Idaho, Group for Getting Started with Hub Workshop)

BACK DONE CANCEL

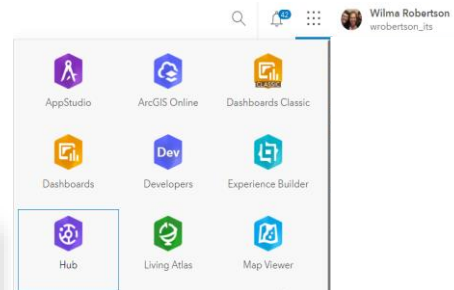
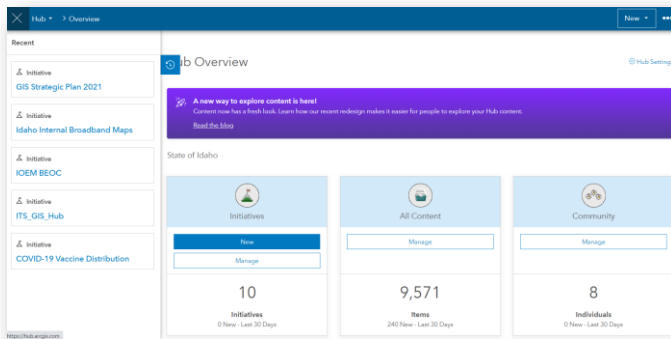
- Click on Media Map
- Click on 
- Add the word “_App” at the end of the title but keep all the other defaults. Click 
- Go through the four steps on the left:
 - Step 1: Click Next >
 - Step 2: slide the slider for both “Legend” and “Enable pop-up” to the right
 - Step 3: Turn all the sliders off (i.e., to the left) except for Layer List and Search
 - Step 4: Accept all the defaults

Click on  and then on 

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3. Firing up Hub and a quick overview

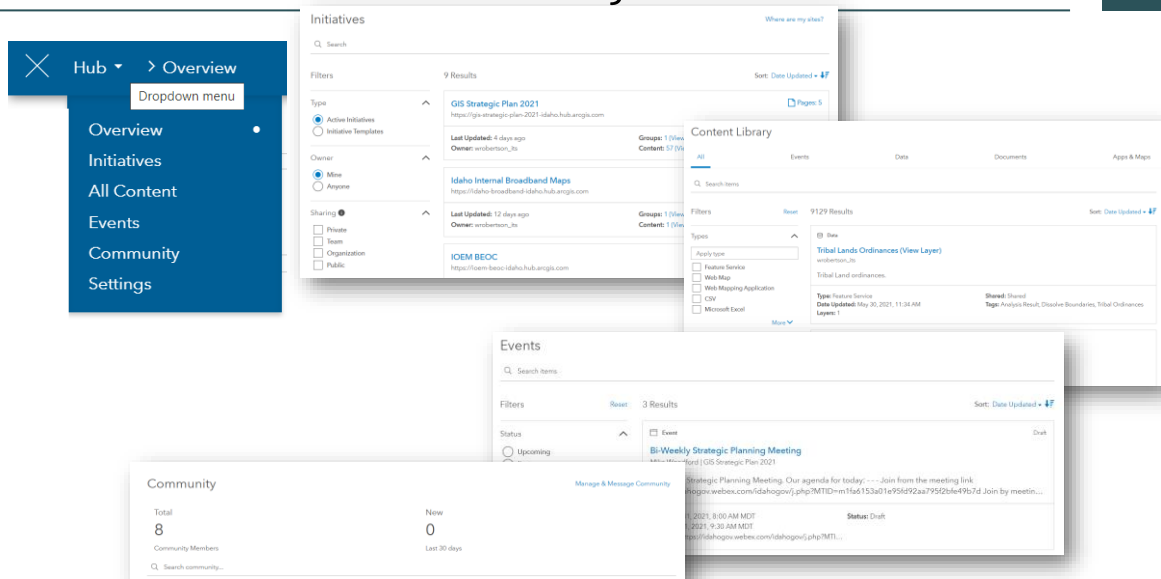
- Click on the “Waffles” near the top-right corner and click on “Hub”



- Hub Sites referred to as “Initiatives”

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3. The main areas of a Hub Page

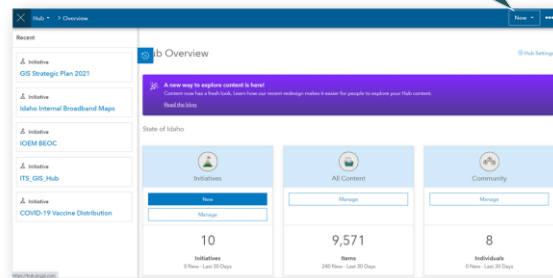


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Case 1: Web Site

4. Creating your New Hub Site

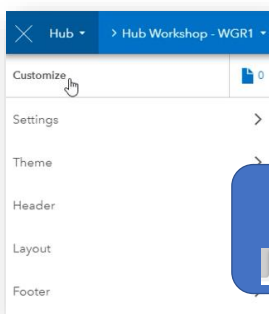
- Click on New. If you do not see the button, click on Hub > Overview to get back to the first page.



- Call your initiative "Hub Workshop - Your Initials".
- Click on Create Initiative

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5. Settings



- Click on Settings

A little logo you add to the browser tab. For example:

ITS_GIS_Hub

Check it out, but leave defaults

Check it out, but leave defaults

Add a summary for your hub site

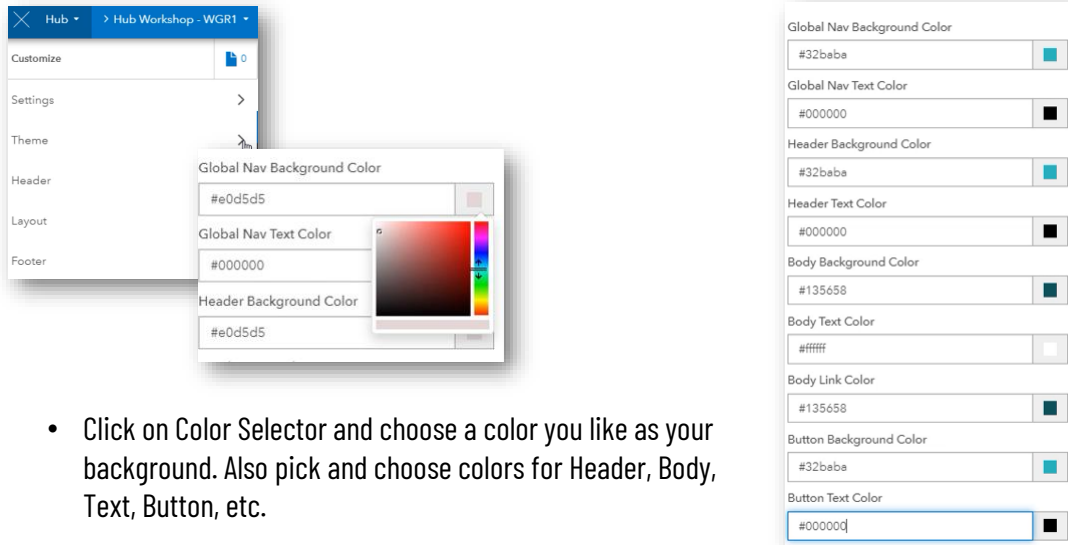
Check it out, but leave defaults

Check it out, but leave defaults

Turn on site translation

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6. Theme: Set your Colors



- Click on Color Selector and choose a color you like as your background. Also pick and choose colors for Header, Body, Text, Button, etc.

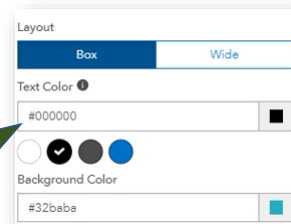
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6. Theme: Change existing colors



- You probably noticed the colors changing on your hub site as you set your colors. However, some did not change....

- Change the Text and Background Color

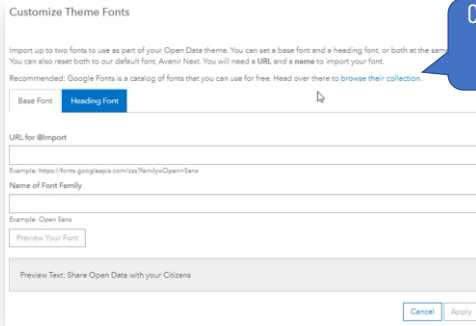


- Click on the row and then on the pencil on the right-hand side

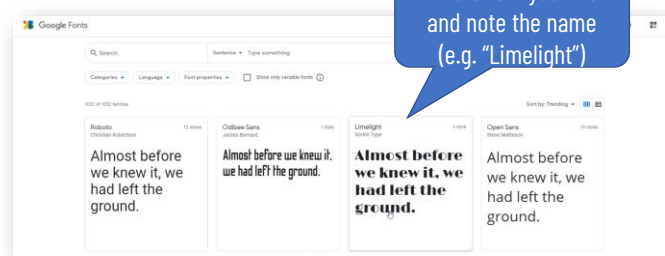
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6. Theme: Pick your Font

- Click on the settings for the Base Font



Click on "browse their collection" in a new browser tab



Find a font you like and note the name (e.g. "Limelight")

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6. Theme: Pick your Font

- Click on the settings for the Heading Font

Copy and Paste this example in the text box above (starting with https://)



Replace "Open+Sans" with the family name you picked on Google fonts.

Also type family font name here.

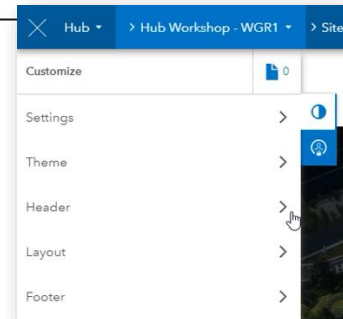
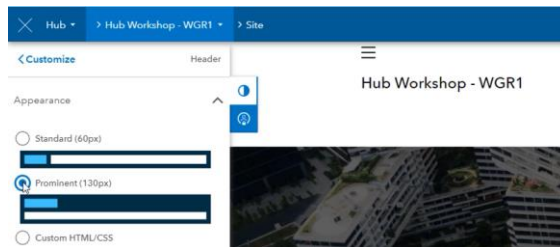
- Click Apply and repeat steps for base font (For example using the Raleway font family).



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7. Header: The Hub Link and Logo

- Make sure you are on your Hub Initiative tab and click on Header
- Under Appearance click on Prominent and observe the effect. Click back on Standard

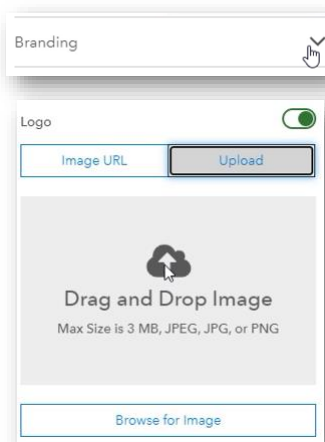


- Similarly, check out the difference between Box and Wide



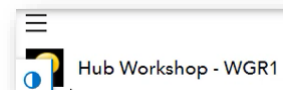
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7. Header: The Hub Link and Logo



Short Name? If your Hub name is too long for a mobile device, it switches to this name

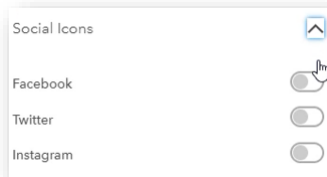
- Click on Branding
- Make sure the Logo is toggled on, and then click on Upload
- In a different browser tab go back to pixy.org and do a search for "test dummy"
- Download a dummy picture
- Go back to your Hub Initiative site and click on Upload
- Click on Browse for Image
- Choose the crash test dummy



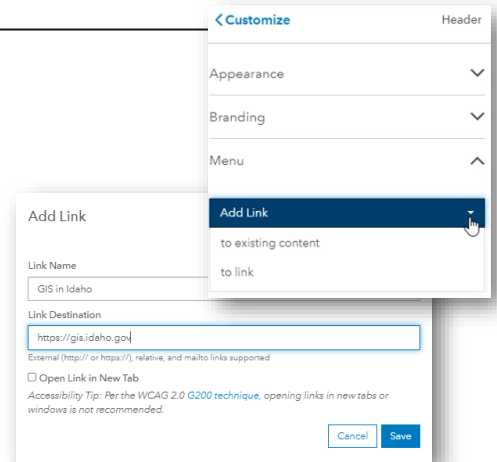
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7. Header: The Hub Link and Logo

- Click on Menu > Add Link > to link
- Add the Link Name (for example "GIS in Idaho") and a URL (for example <https://gis.idaho.gov>)
- Click Save
- Notice the new link along the top of the page

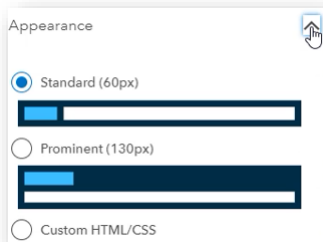



- Click on Social icons. This is where you can add links to any social media platform where you have content related to this initiative

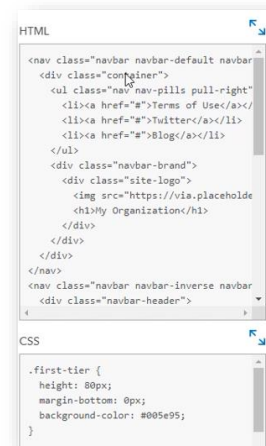
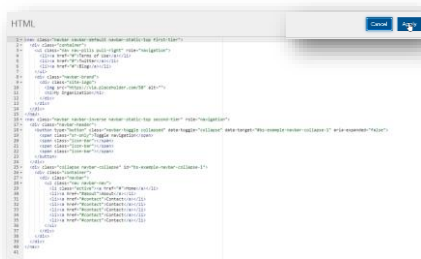


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7. Header: The Hub Link and Logo



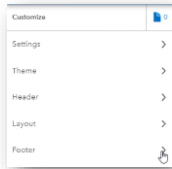
- Note that for the Appearance of the Header we also have a Custom HTML/CSS option
- Click on the  in the corner "pops it out" and makes it editable



sidebar


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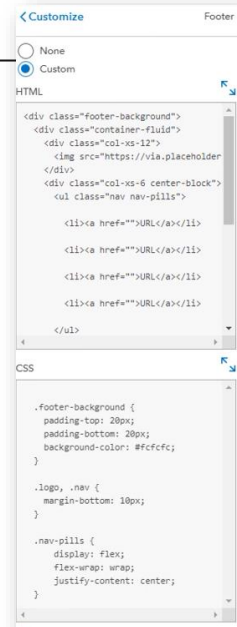
8. Footer



- Click on Footer
- Your choices are None (No Footer) or you need to edit the HTML or CSS Code
- Below is the default footer:



- Click on  to expand the HTML Code
- Compare the code to the footer to orient yourself to see which part of HTML code corresponds to which part on the footer

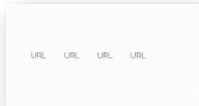


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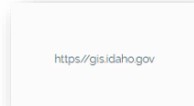
8. Footer

- Replace the top "href" (line 9) with your own website)
- Delete the other three href lines. The result is shown on the right
- Click Apply and observe the result:

Before:



After:

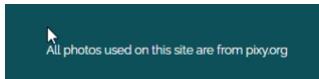


- Expand the CSS code and change the background-color (see line 5)
- Click Apply

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8. Footer

- Let's simplify the footer even a little more. Expand the HTML Code again and delete more lines so it looks like the image below



HTML

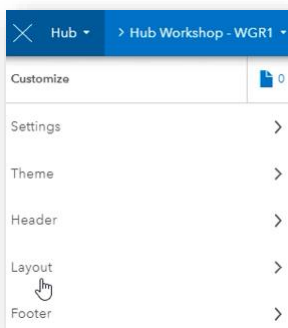
```

1 <div class="footer-background">
2 <div class="container-fluid">
3 <div class="col-xs-12">
4 <div class="text-white" style="padding-top: 3rem; text-align: center;">
5 <p>All photos used on this site are from pixy.org</p>
6 </div>
7 </div>
8 </div>
9 </div>

```

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9. Layout



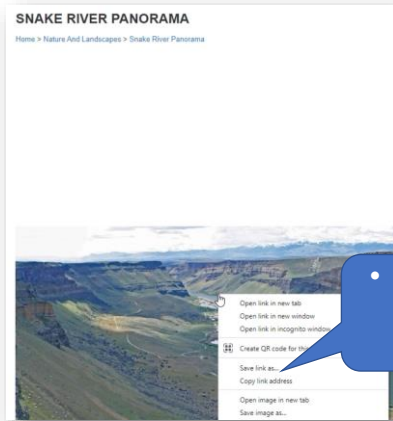
- Click on Layout
- Click in the text box on top of the picture along the top
- Select the text highlighted in blue below and change to "Learning how to use Hub"



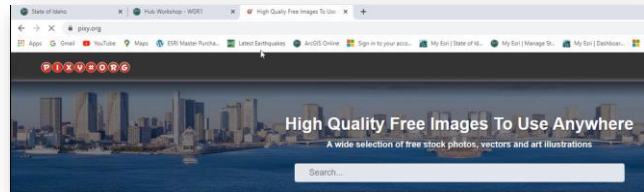
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10. The top Image

- Visit pixy.org
- Do a search for "Snake River"



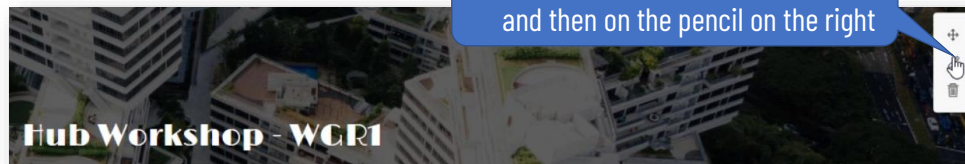
- Click on "Save Link As" and save a copy to your local drive



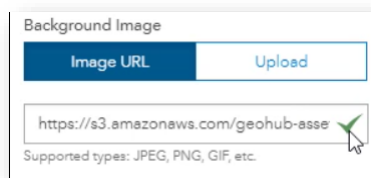
- Go back to the tab showing your new Hub

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10. The top Image



- Click on the image along the top, and then on the pencil on the right

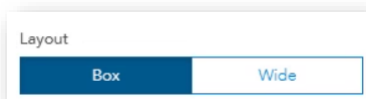


- Click on Upload on the left
- Click on Browse for Image
- Scroll to the Snake River image you just downloaded from pixy.org

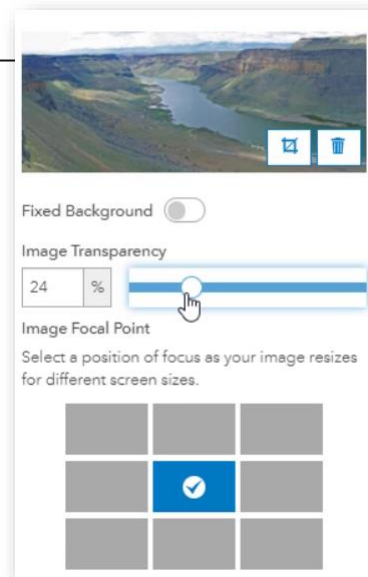
26

10. The top Image

- Click back on Customize to see the various Layout Cards.
- On the left-hand side play around with the transparency (is the title on top of the image readable?) and the focal point of the image



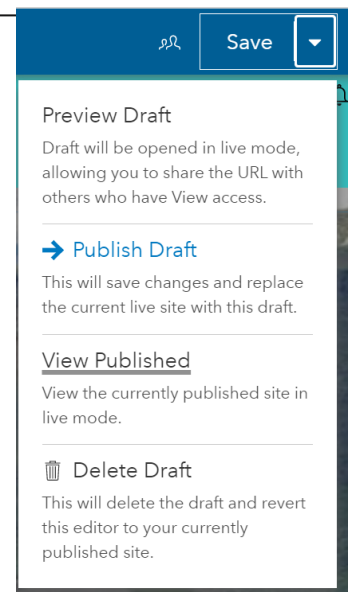
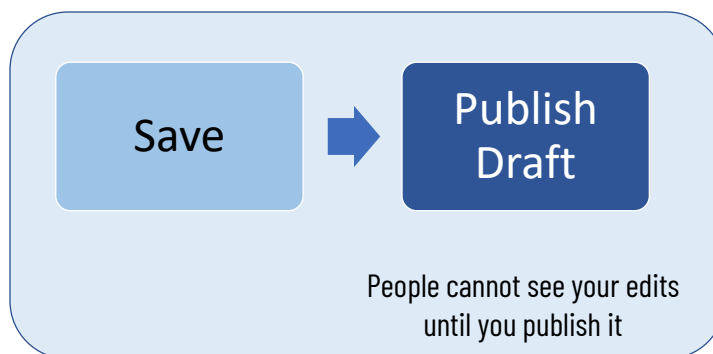
- Scroll to the top on the left-hand side and toggle between Box and Wide. Which one do you like better?



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11. Save your Hub

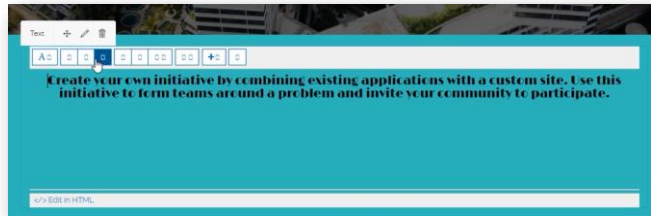
- Click on Save in the top-right corner of the Hub Website



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12. Layout: Changing Text

- Click on the text near the top and replace with text you want. For example, delete the existing text and replace with "This is my first Hub Site"



- Select all your text and then change the text style to Header 2

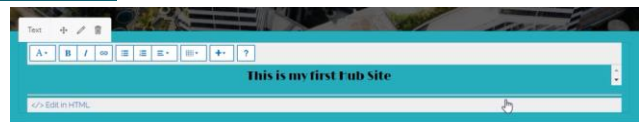
29

12. Layout: Changing Text

- Resize your row of text



Hover marker near the bottom so you can make it smaller



30

13. Layout: Deleting Elements

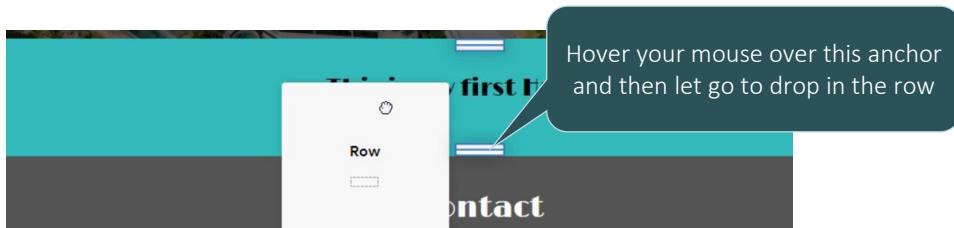
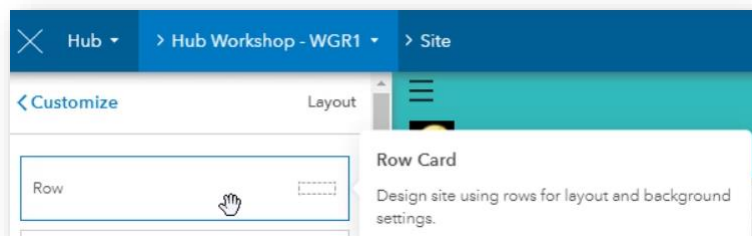
- Hover on the right-hand side of the “Our Progress So Far” bar. Click on the garbage can and then on Remove:
- Go ahead and remove all elements in the same way until your Hub Site looks like this:



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14. Layout: Rows help you organize content

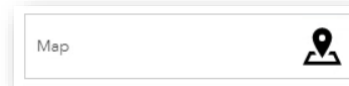
- Click on a Row Card and drag it to just below “This is my first Hub Site”



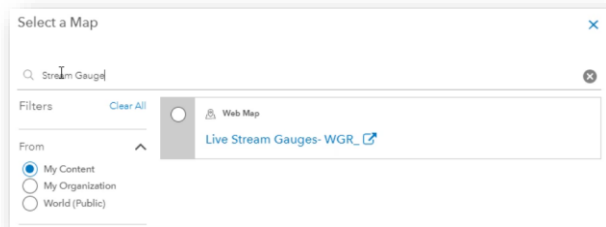
32

15. Layout: Insert a Map

- Grab a Map Card and drag it into the row you just created



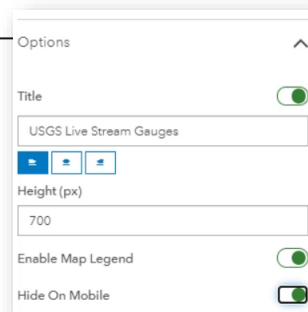
- Click on **Select Map**
- Under from click "My Content"
- Search for "Stream Gauge" to find the web map we created earlier
- Check the bubble in front of the web map and then click "Select"



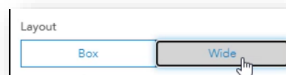
33

15. Layout: Insert a Map

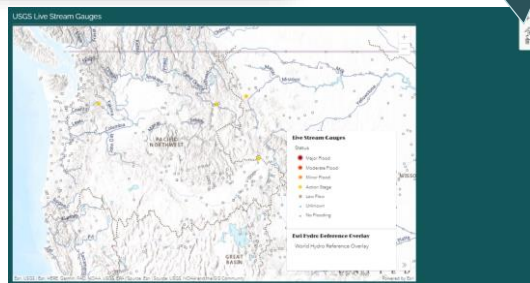
- On the options on the left-hand side
 - Edit the title
 - Change the height of the map to 700 pixels
 - Enable the Map Legend
 - Enable "Hide on Mobile"
- On the right-hand side of the map click on the row settings. Change the layout to Wide



Click on the pencil here to change row settings



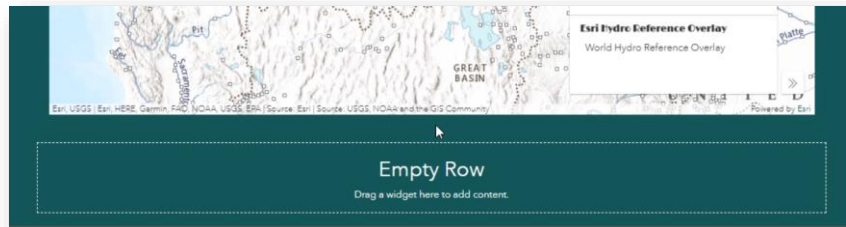
- Click on **Layout** in the top left-hand side to go back to selection of cards



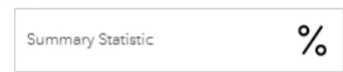
34

16. Layout: Add some Statistics

- Add another row card and place underneath the map you just inserted. Click on the settings for the row (recall pencil on the right-hand side) and change it from Box to Wide



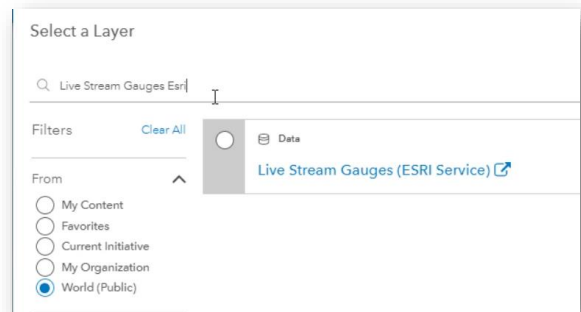
- Grab a Summary Statistic Card and drop it in the row you just created



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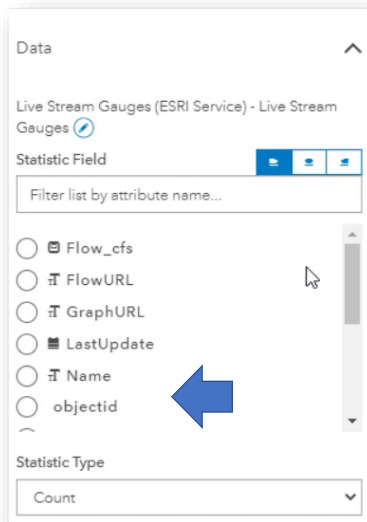
16. Layout: Add some Statistics

- On the left-hand side click on [Find an Item](#)
- Under "From" select "World (Public)"
- Do a search for Live Stream Gauges Esri to find the data layer behind the map we inserted earlier
- Check the bubble in front of the data and click Select

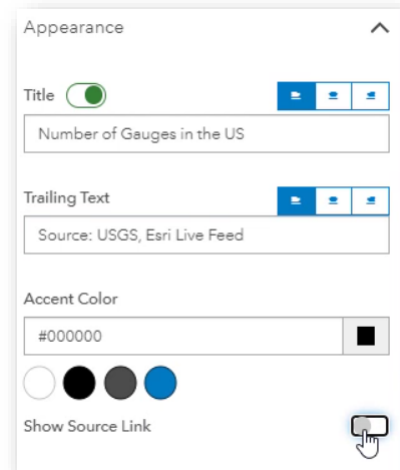


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16. Layout: Add some Statistics



- Check the bubble in front of objectid, and choose Statistic Type "Count". This will add the total number of gauges in the dataset as a statistic.

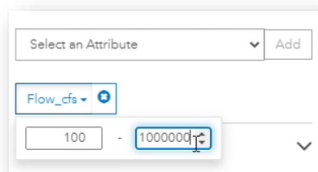
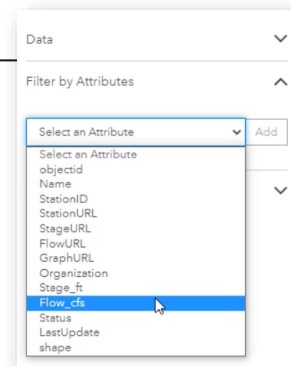


- Change the title and trailing text as shown on the right
- Uncheck the "Show Source Link" slider

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16. Layout: Add some Statistics

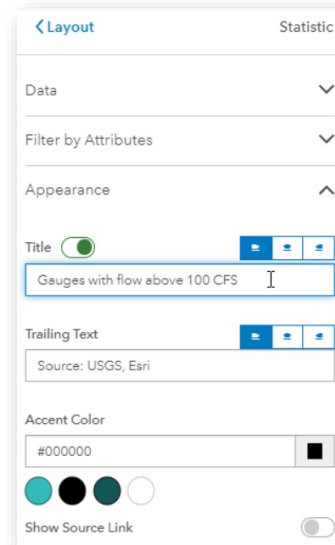
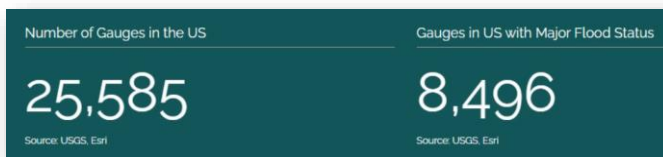
- Add a second Statistics Card in the same row, and to the right of the one you just created
- For Data select the same dataset as the previous statistics card (Live Stream Gauges)
- Click on Filter by Attributes and choose Flow_cfs.
- Click on Add
- Click on the drop-down show below and add a range from 100 to 1,000,000 cfs.



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16. Layout: Add some Statistics

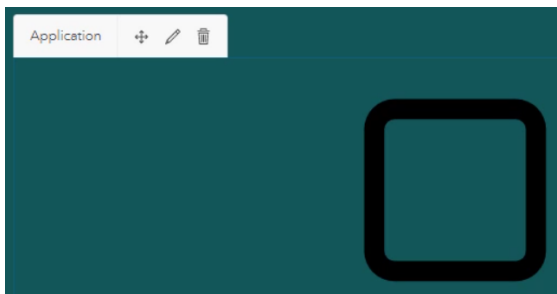
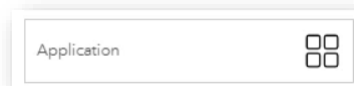
- On the Appearance tab fix up the Title and Trailing Text
- Save your Hub page
- Your Stat Cards should now look something like this:



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17. Layout: Add an Application

- Drop another row below the row with the Statistics cards
- Drop an application card in the row you just added
- Go to the setting of the row, and change the layout from Box to Wide

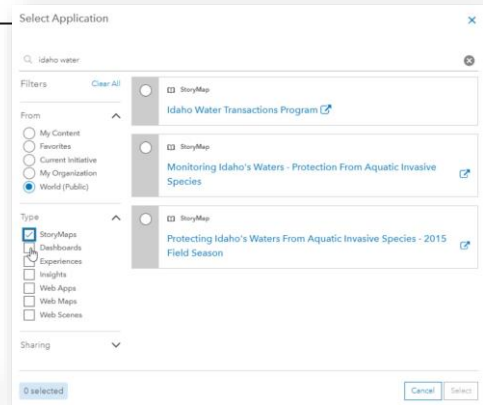
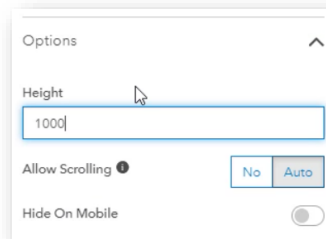


- Click on the pencil just above the application card to open the settings on the left-hand side
- Click on Select Application

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17. Layout: Add an Application

- Click "World (Public)" underneath "From"
- Choose Type "Story Map"
- Type "Idaho Water" in the search box
- Click the bubble in front of "Idaho Water Transaction Program"
- Click on "Select"

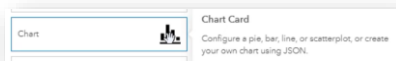


- In the options on the left-hand side change the Height from 500 to 1000 pixels

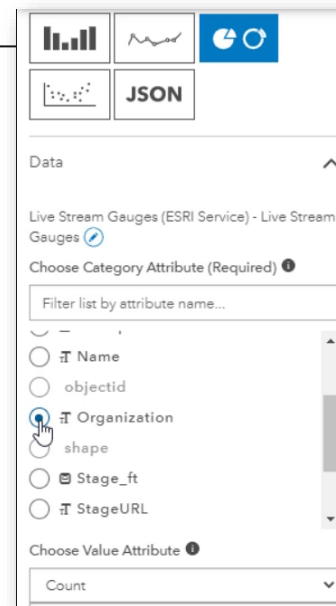
41

18. Layout: Graph it!

- Drop another row just underneath the Statistics Cards you created earlier
- Drag a Chart Card in the row you just created



- Click on the pie chart, then on Find an Item
- Add the same Stream Gauge layer you used before (hint: look in World (Public) and search for "Live Stream Gauge")
- Choose the Organization name with Count as the Attribute Value (see image on the right →)



42

18. Layout: Graph it!

Options

Sort

☐ Organization

☒ Count of Organization

Height (px)

400

Chart Title

Contributing Agency

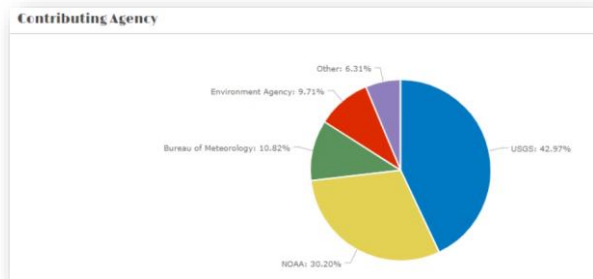
Category Label

Organization

Value Label

Count

- Click on options and change the Chart Title to "Contributing Agency"



- Save your Hub page

43

19. Layout: Add a Survey

- Add a survey card to the right of the pie chart (in the same row)

< Layout Survey

Select Survey

Create Survey

- Click on Create Survey
- Click on Browse for Image and choose the same Snake River picture you used along the top of your Hub Page

- Call your Survey "Hub Workshop Survey WGR1"
- Add a description
- Add some tags, including the tag "Temp" (so you can find it easy later and know it is save to delete)

Survey

Name*

Hub Workshop Survey WGR1

Description*

Quick Survey to demonstrate that you can create surveys directly inside Hub


175 characters left

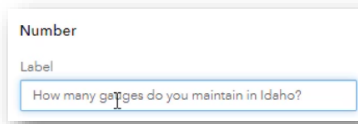
Tag(s)*

Hub Workshop - WGR1 X Hub Survey X Temp X

44

19. Layout: Add a Survey

- Click Next
- Replace the sample question with the one shown on the right →
- Click on  and then drag a Number question below the one you just edited
- Change the question label to “How many gauges do you maintain in Idaho?”

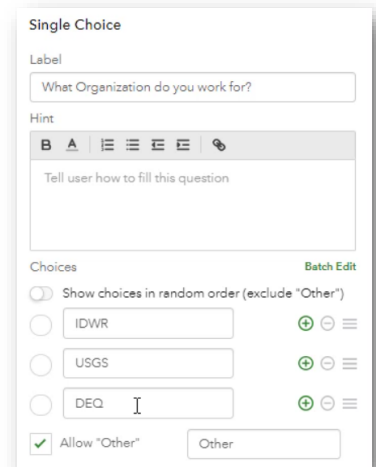


Number

Label

How many gauges do you maintain in Idaho?

- Under “Validation” on the right-hand side note the checkbox to make the question required. Also check the box in front of “Must be an integer”.



Single Choice

Label

What Organization do you work for?

Hint

Tell user how to fill this question

Choices

☐ Show choices in random order (exclude "Other")

☐ IDWR

☐ USGS


☐ DEQ

☒ Allow "Other"

Other

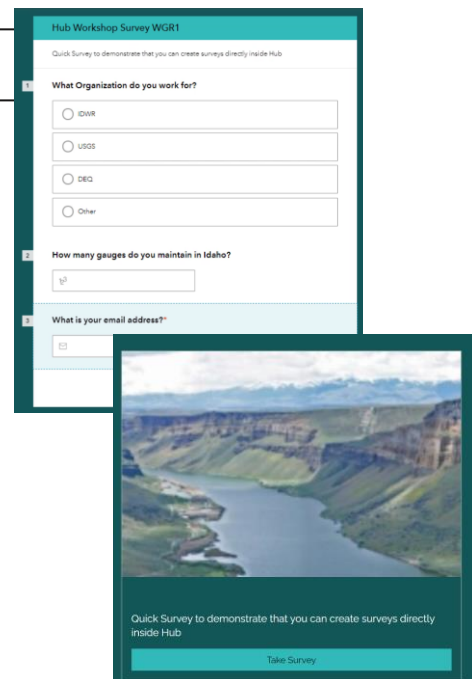
45

19. Layout: Add a Survey

- Click  again and add the Email question
- Change the label to “What is your Email Address?”
- Make this a required question
- Click Save and then Publish

Hub > Feedback > Hub Workshop Survey WGR1 > Design

- Go back to your Main Hub Site (hint: click on Feedback along the top. Then click on the drop-down to the right of “Hub Workshop Survey” and choose Initiative Site



Hub Workshop Survey WGR1

Quick Survey to demonstrate that you can create surveys directly inside Hub

1 What Organization do you work for?

☐ IDWR

☐ USGS

☐ DEQ

☐ Other

2 How many gauges do you maintain in Idaho?

3 What is your email address?*

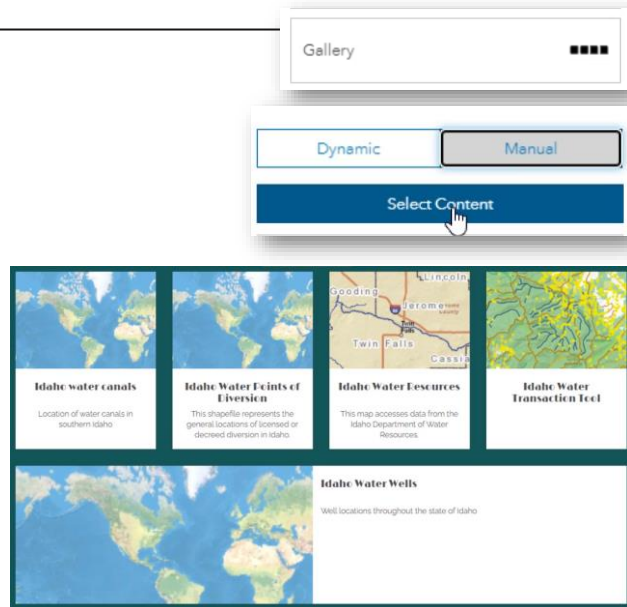
Quick Survey to demonstrate that you can create surveys directly inside Hub

Take Survey

46

20. Layout: Add a Gallery

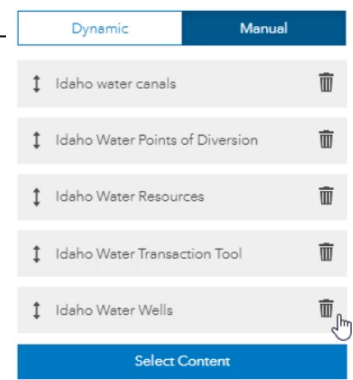
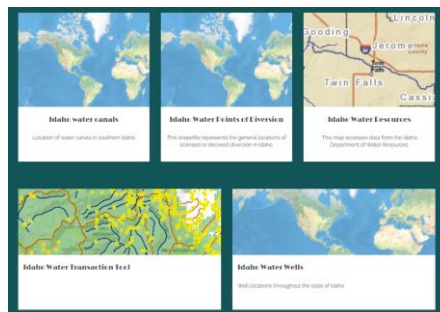
- Insert a new Row Card below the row with the survey and add a Gallery Card
- On the left-hand side click on Manual, and then on Select Content
- Check the "World (Public)" bubble underneath "From" and do a search for "Idaho Water"
- Check the box in front of any five different maps or apps
- Notice the less than optimal spacing



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20. Layout: Add a Gallery

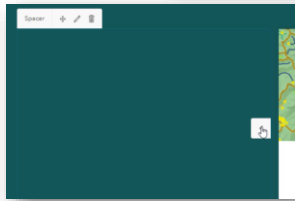
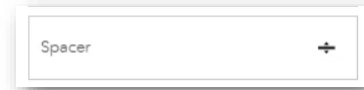
- Click on the pencil near the top of the Gallery and then delete two of the items on the left-hand side (so that there are three items left)
- Insert another row card below the gallery you just created
- Add a gallery card to the row you just inserted. Add the two items you just deleted from the first gallery into this second gallery
- It now looks like this:
- Next, we will use spacers to make the maps/apps in the bottom row the same size as the top row



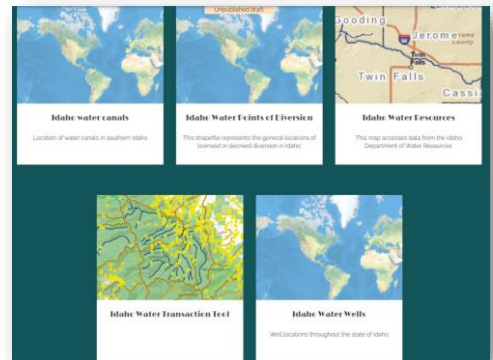
48

20. Layout: Add a Gallery

- Grab a Spacer card and dock it to the left-hand side of the bottom gallery



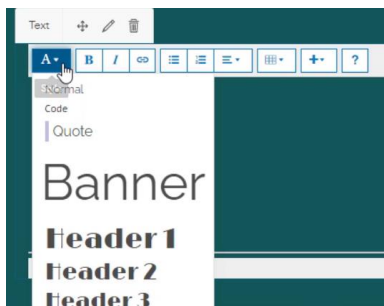
- Use the little arrow shown in the image on the left to make the spacer card smaller
- Add another spacer card to the right-hand side of the new gallery. Make that one smaller as well so it matches the picture on the right →



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21. Layout: Add some Text

- Next, we will use a Text Card to add a header above the Galleries. Start by inserting a row card. Then drag a Text Card into the row



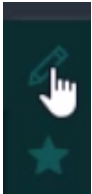
- Click on the drop-down next to the letter A and pick Header 2
- For the text type: "Some water related maps and apps in Idaho:"
- Grab the handles at the bottom of the text card and drag it up to make it smaller



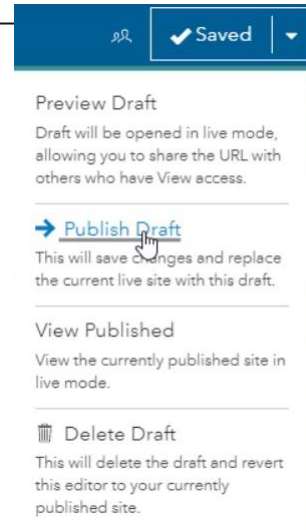
50

22. Layout: Save and Preview

- Click Save in the top-right corner, followed by Publish Draft
- Click on "View Published" and check it out!



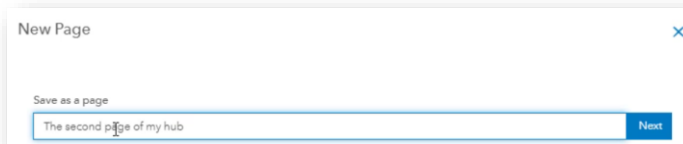
- Click on the edit button on the left hand side of your published Hub to get back into editing mode



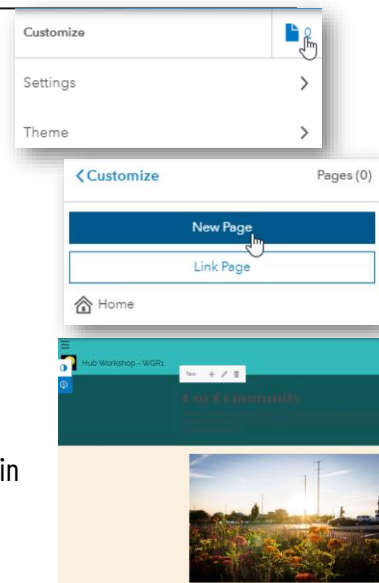
51

23. Layout: Add another Page

- Click on the page icon near the top-left hand side of our screen. (Hint: if you are still seeing the various cards in layout then click first on Customize in the top-left)
- Click on New Page



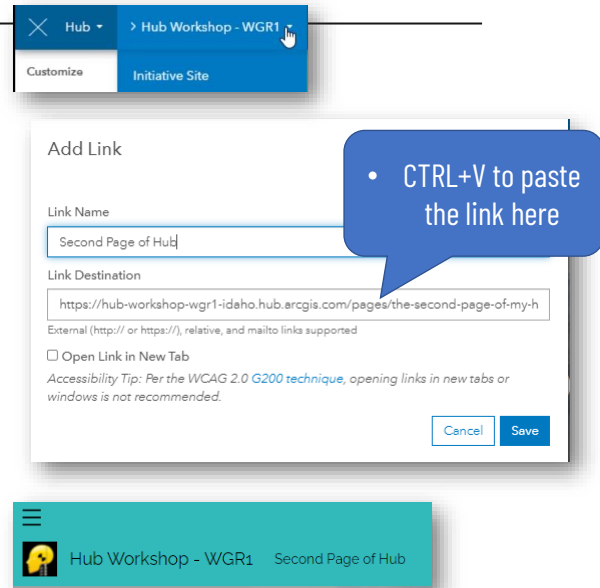
- Type "The second page of my hub" as the name and click Next
- Note that a second page appears with the same header as the main page
- Copy the URL of this second page (CTRL+C)



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24. Back to Header

- Click on the blue "Hub Workshop - WGR" > Initiative site to get back to the first page
- Finally, we will add a link in the header to the second page
- Click on "Header" on the left and then on "Add Link"
- Click Save
- Then Publish your map
- Note the Additional link in the Header



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25. Open Data



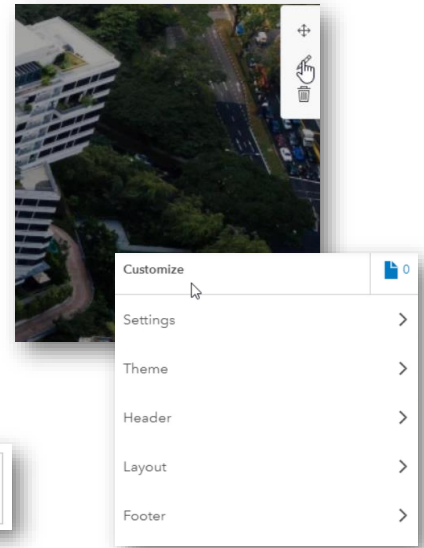
- Click on Hub in the top-left and then click on Overview to get back to the Hub home page
- Click on New > Initiative
- Name you initiative "Hub Workshop Open Data Site Your Initials" and click on Create Initiative
- Click on the X in the top-right corner of the Get Started dialog box to clear the screen
- Go to pixy.org and do a search on "Data Programming"
- Save the picture to your local drive.



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25. Open Data

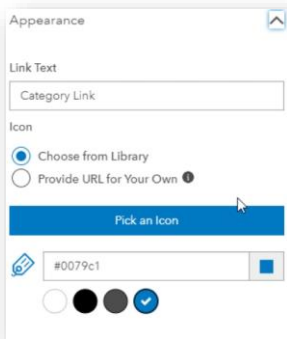
- Back on your hub page, click on the pencil on the right-hand side of the header picture. Replace the current picture with the one you just downloaded
- Delete all the cards below the image on the top. We will start fresh again
- Click on Footer on the left, and choose None
- Click on Customize, and then on Layout
- Grab a row card and place it on your page (below the picture you just replaced)
- Drag a Search Card in the row



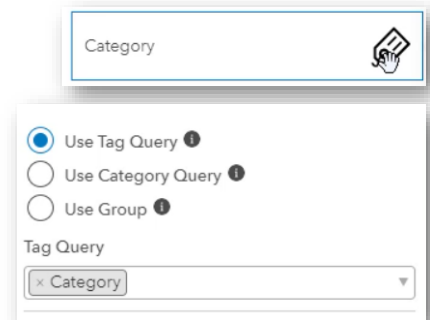
55

25. Open Data

- Click on Layout in the top left to see all the cards again
- Add another row card below the one you just inserted
- Drag a Category cards side-by-side into the row card you just added
- Accept the default to search for data, maps and apps by Tag



- On the left-hand side click "Choose from Library" and then click on "Pick an Icon"



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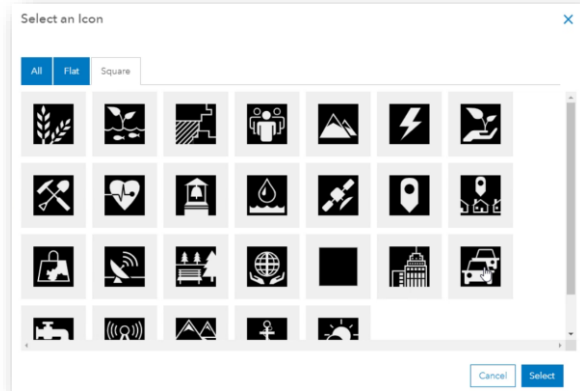
25. Open Data

- Grab an icon, for example the cars for transportation
- Click Select
- Edit the Link Text on the left-hand side to match the icon

Link Text

Transportation

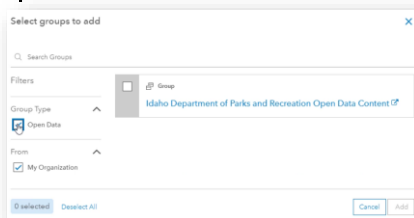
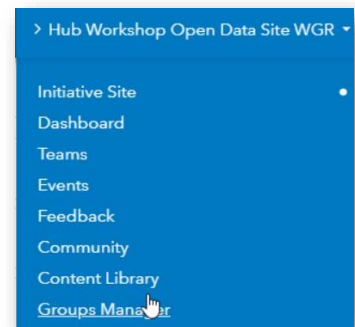
- Add three more Category cards to the same row. Pick icons and set the link text, for example to match the cards shown on the right →



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25. Open Data

- Next, we need to add data that can be search to the Open Data Site. We do this through the Groups Manager
- Save your Hub Site first before continuing
- Click on the drop-down on the right-hand side of the "Hub Workshop Open Data Site..." and choose Groups Manager

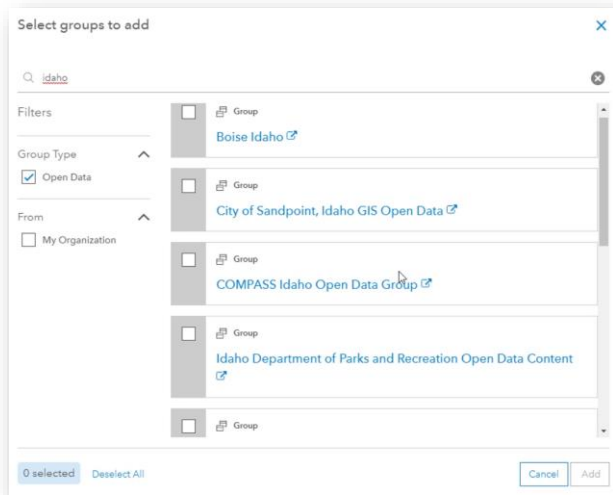


- Click on Add Group on the left-hand side
- Check Open Data
- We will first add Open Data from other Idaho State Agencies and then enable Open Data on our group

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26. Layout: Add Content

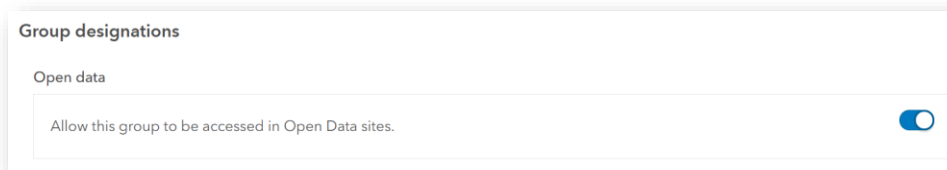
- Do a search for Idaho and scroll down. Add all the Idaho State Agencies you recognize (for example "Idaho DEQ")
- Do a search for "Irrigation" to find the Open Data site for Water Resources
- Do a search for "Transportation" to add ITD
- Next, we will enable Open Data on the group we set up earlier
- Switch to your ArcGIS Online tab, or if you closed that one go to <https://www.arcgis.com/> and sign in



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26. Layout: Add Content

- Click on Groups along the top of your screen and scroll down until you find the "Group for Getting Started with Hub Workshop"
- Click on the Group to open its Overview page and then click on Setting near the top-right

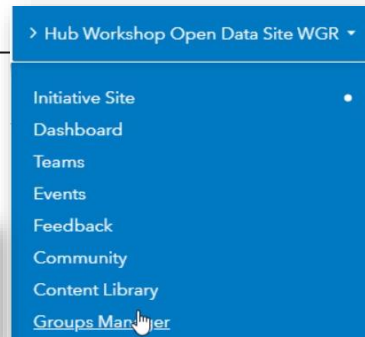
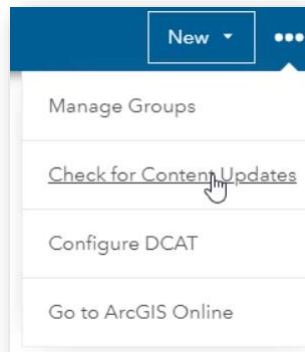


- Scroll down and enable Open Data as shown in the picture above
- Go back to the Open Data Hub site, go back to the group manager and add you Open Data Group

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26. Layout: Add Content

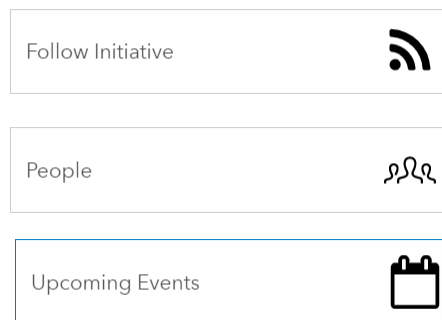
- Click on Hub Workshop Open Data Site... along the top and then choose the Content Library
- Click on the ... in the top-right corner
- Click "Check for Content Updates"
- Save and Publish you Open Data Site
- Check it out



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27. Collaboration

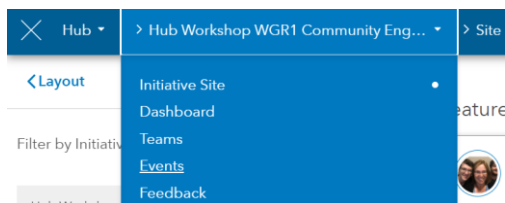
- Click on Hub > Initiatives and start a new initiative called "Hub Workshop - your initials - Community Engagement"
- Delete all cards except for the top image
- Add the following community related cards to your initiative:



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27. Collaboration

- Click on the pencil to the right of Follow Initiative
- On the left-hand side, under "Button State" choose Follow
- Click on pencil above "Featured People"
- Click Select People and choose someone
- Click on the drop-down near the top and choose events as shown below:



Follow Initiative



People



Upcoming Events

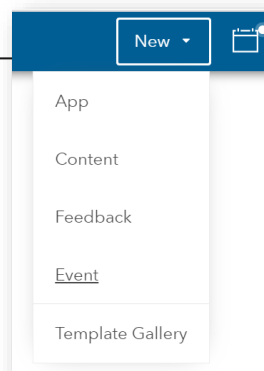


Teams Demo

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27. Collaboration

- In the top-right choose New > Event
- Set the title to Independence Day
- Complete the event information. Hint: set the location to a park in Boise
- Save the Event
- Back on your initiative site click on the pencil near the event calendar, and on the left-hand side select your initiative. Your event should now appear
- Add a featured event card
- On the left-hand side choose the Independence Day Event



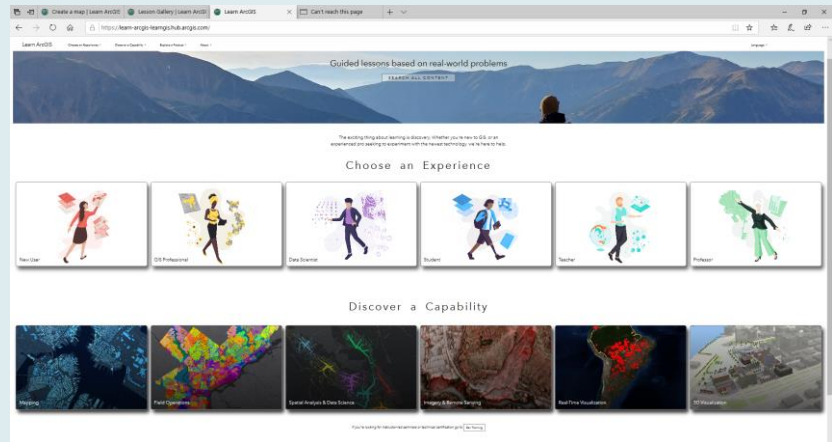
Featured Event



 A screenshot of a web form for creating a new event. The form has a blue header with a 'New' button and a calendar icon. The main content area is white with a blue border. It includes sections for 'Details' (Title, Description), 'Organizers' (Name, Contact), 'Sponsors' (Add Sponsor), 'Where' (Location, Venue), 'Address' (Address 1, Address 2), 'When' (Start Date, Start Time, End Date, End Time), and 'When' (All Day Event). The form is partially filled out with 'Independence Day' as the title and '100 S Capitol Blvd, Boise, Idaho, 83722' as the address.

64

Tip: great
learning tool



<https://learn-arcgis-learnngis.hub.arcgis.com/>

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What's Next?

Future Classes

Getting Started with Experience Builder – 6/24/2021
Getting Started with Maps for Office – 7/20/2021

Planning to repeat all sessions in the fall in person



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Thank You!

Questions? Suggestions? Feedback?

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